

PROGIENE

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name Cleanline BT Acid
Product Code(s) Not applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Phosphoric acid-based ice-bank tank cleaner for the removal of fat and protein deposits in automated systems using cold water.
Product is for professional use only
Must not be used by persons under the age of 18, except when adult supervision is available.
Do not mix with acids or any other chemical products.
- Uses advised against
1.3 Details of the supplier of the Safety Data Sheet
Company Identification Nettex
Units 2A
Hoo Industrial Estate
Hoo
Rochester
Kent
ME3 9LB
United Kingdom
+44 (0) 808 1781010
info@progiene-dairy.com
- Telephone
E-Mail (competent person)
1.4 Emergency telephone number
Emergency Phone No. +44 (0) 1634 257150 (09.00 – 17.00 GMT Monday - Friday)

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Acute Tox. (Category 4). Harmful if swallowed.
Skin Corrosion (Category 1B). Causes severe skin burns and eye damage.
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC** Harmful if swallowed.
Corrosive. Causes severe burns.

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2.2 Label elements
2.2.1 Label elements
 Hazard Pictogram

According to Regulation (EC) No. 1272/2008 (CLP)



Signal word(s)
 Hazard statement(s)
 Precautionary statement(s)

Danger
 H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 P102: Keep out of reach of children.
 P260: Do not breathe fume/gas/mist/vapours/spray.
 P264: Wash skin thoroughly after handling.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P363: Wash contaminated clothing before reuse.
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P310: Immediately call a POISON CENTRE or doctor/physician.
 P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P501: Dispose of contents/container to: hazardous waste site
 According to Directive 67/548/EEC & Directive 1999/45/EC

2.2.2 Label elements
 Hazard Symbol



Risk Phrases
 Safety Phrases

R22: Harmful if swallowed.
 R35: Causes severe burns.
 S2: Keep out of the reach of children.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28: In case of contact with skin wash immediately with plenty of soap and water.
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S50: Do not mix with dairy hypochlorite or other chlorine based products.
 S51: Use only in well ventilated areas.
 S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets

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S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Do not mix with alkalis or other chemical products.
None

- 2.3 Other hazards
2.4 Additional Information

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Phosphoric Acid	20 - 30	7664-38-2	231-633-2	01-2119485924-24	Skin Corr. 1B: H314
Quaternary Ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	1 - 5	85409-22-9	287-089-1	Not available	Acute Tox. 4, H302 Skin Corr. 1B: H314 Aquatic Acute 1, H400

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Phosphoric Acid	15 - 30	7664-38-2	231-633-2	01-2119485924-24	C, R34
Quaternary Ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	1 - 5	85409-22-9	287-089-1	Not available	Xn, R22 C, R34 N, R50

3.3 Additional Information

For full text of H/P phrases see section 16. For full text of R/S phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove persons affected by vapour to fresh air.
For those providing assistance, avoid exposure to yourself or others.

If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

If breathing is irregular or has stopped, administer artificial respiration.

Skin Contact

Remove contaminated clothing and shoes immediately and wash affected skin with water.

Eye Contact

Wash contaminated clothing before reuse.

Eyes should be washed with plenty of water for at least 15

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- Ingestion
minutes. Get immediate medical attention.
Wash out mouth with water. Do not induce vomiting. Get immediate medical attention.
- 4.2 **Most important symptoms and effects, both acute and delayed**
Burning sensation, cough, wheezing, shortness of breath, spasm. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Itching, pain, redness, and swelling of skin
- 4.3 **Indication of immediate medical attention and special treatment needed**
If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 **Extinguishing Media**
Suitable Extinguishing Media
Extinguish with dry chemical, foam, water spray, or carbon dioxide.
- 5.2 **Special hazards arising from the substance or mixture**
Unsuitable Extinguishing Media
Straight streams of water
Toxic to aquatic life.
- 5.3
Evacuate area. If a leak or a spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop a leak. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid contact with spilled material. Wear suitable protective equipment. Refer to section 5 for fire-fighting; section 4 for first-aid advice; and section 8 for minimum requirements for personal protective equipment.
- 6.2 **Environmental precautions**
Do not allow to enter drains, sewers or watercourses.
- 6.3 **Methods and material for containment and cleaning up**
Adsorb spillages onto sand, earth or any suitable adsorbent material.
- 6.4 **Reference to other sections**
Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.
- 6.5 **Additional Information**
None

7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling**
Avoid contact with skin. Avoid breathing fumes. Avoid ingestion. Avoid inhalation of vapours. Use only with adequate ventilation. Keep away from heat and sources of ignition. Keep container tightly closed. Wear protective gloves/clothing and eye/face protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
Storage Temperature
Store between 0°C to 25°C. Keep out of direct sunlight.
Storage Life
1 year.
Incompatible materials
Alkalis, chlorine-based products and oxidisers.
- 7.3 **Specific end use(s)**
Phosphoric acid-based ice-bank tank cleaner for the removal of fat and protein deposits in automated systems using cold water.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
8.1.1 **Occupational Exposure Limits**

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SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Phosphoric Acid	7664-38-2	-	1	-	2	EH40

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2.1 Appropriate engineering controls**
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear chemical safety glasses with side shields, or splash-proof goggles
- Skin protection (Hand protection/ Other)  Any specific glove information provided is based on published literature and glove-manufacturer data. Contact the glove manufacturer for glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet –style gloves. Nitrile, CEN standards EN 420 and EN 374 provide general requirements and list of glove types. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements. Types of respirator to be considered for this mixture include: Half-face filter respirator; Type A filter material CEN standards EN136, EN140 and EN 405 provide respirator masks and EN 149 and EN 143 provide filter recommendations
- Respiratory protection  Respirator selection, use, and maintenance must be in accordance with regulatory requirements. Types of respirator to be considered for this mixture include: Half-face filter respirator; Type A filter material CEN standards EN136, EN140 and EN 405 provide respirator masks and EN 149 and EN 143 provide filter recommendations
- Thermal hazards None known
- 8.2.3 Environmental Exposure Controls** See sections 6,7,12,13

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

properties

Appearance	Liquid
Colour	Pale pink
Odour	Slightly pungent
Odour Threshold (ppm)	No data available
pH (Value)	2
Melting Point (°C) / Freezing Point (°C)	No data available for melting point; Freezing <0
Boiling point/boiling range (°C):	No data available
Flash Point (°C)	No data available
Evaporation rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No data available
Explosive limit ranges.	No data available
Vapour Pressure (mm Hg)	No data available
Vapour Density (Air=1)	No data available
Density (g/ml)	1.14 +/- 0.02 (20°C)
Solubility (Water)	Soluble
Solubility (Other)	No data available

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	Partition Coefficient (n-Octanol/water)	No data available
	Auto Ignition Temperature (°C)	No data available
	Decomposition Temperature (°C)	No data available
	Viscosity (mPa.s)	No data available
	Explosive properties	No data available
	Oxidising properties	No data available
9.2	Other information	None

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	This product reacts with many alkali compounds.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	See 10.5
10.4	Conditions to avoid	Direct sunlight and excessive heat.
10.5	Incompatible materials	Alkalis, chlorine-based products and oxidisers. Reacts violently with alkalis. Contact with metals will cause the formation of flammable hydrogen gas.
10.6	Hazardous Decomposition Product(s)	Hazardous decomposition products are not expected to form during normal storage. Thermal decomposition is dependent on conditions. A complex mixture of airborne solids, liquids and gases including phosphorous will be evolved when this material undergoes combustion or thermal degradation.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.2	Mixtures	
	Acute toxicity	No data available
	Irritation	No data available
	Corrosivity	No data available
	Sensitisation	No data available
	Repeated dose toxicity	No data available
	Carcinogenicity	No data available
	Mutagenicity	No data available
	Toxicity for reproduction	No data available
11.2	Other information	None

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No data available
12.2	Persistence and degradability	Not expected to inhibit aerobic and anaerobic activity.
12.3	Bioaccumulative potential	Not expected to bioaccumulate..
12.4	Mobility in soil	No data available
12.5	Results of PBT and VPVB assessment	No PBT or VPVB Components
12.6	Other adverse effects	None

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn, or use a cutting torch on, the empty drum. Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product
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specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.
None

13.2 Additional Information

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number	3264
Proper Shipping Name	Corrosive Liquid, Acidic, Inorganic, N.O.S (phosphoric acid solution)
Transport hazard class(es)	8
Packing Group	III
Hazard label(s)	



Environmental hazards	No
Special precautions for user	Not applicable.

14.2 Sea transport (IMDG)

UN number	3264
Proper Shipping Name	Corrosive Liquid, Acidic, Inorganic, N.O.S (phosphoric acid solution)
Transport hazard class(es)	8
Packing Group	III
Marine Pollutant	No

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Special precautions for user

Not applicable.

14.3 Air transport (ICAO/IATA)

UN number

3264

Proper Shipping Name

Corrosive Liquid, Acidic, Inorganic, N.O.S (phosphoric acid solution)

Transport hazard class(es)

8

Packing Group

III

Environmental hazards

No

Special precautions for user

Not applicable

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture

1907/2006 – REACH
1272/2008 – CLP
67/548/EEC –DSD
199/45/EC – DPD
648/2004/EC-Detergents Directive
98/8/EC -BPD

15.1.1 EU regulations

Authorisations and/or restrictions on use

Refer to EU regulation for details of any actions or restrictions by the above regulations or directives

15.1.2 National regulations

Refer to national regulation for details of any actions or restrictions by the above regulations or directives

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
RCP	Reciprocal Calculation Procedure

References: Sources of information used in preparing this SDS included one or more of the following: results from in-house or supplier toxicology studies; publications from trade associations; ECHA publications; EU guidelines and other sources as appropriate

Risk Phrases and Safety Phrases

R22: Harmful if swallowed.

R34: Causes burns.

R35: Causes severe burns.

R50: Very toxic to aquatic organisms.

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: In case of contact with skin wash immediately with plenty of soap and water.

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S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S50: Do not mix with dairy hypochlorite or other chlorine based products.
S51: Use only in well ventilated areas.
S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard statement(s) and Precautionary statement(s)

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.

P102: Keep out of reach of children.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310: Immediately call a POISON CENTRE or doctor/physician.
P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P501: Dispose of contents/container to: hazardous waste site.

Additional Information

This Safety Data Sheet has been produced by d5 Consulting Limited on behalf of Nettex, a division of Rumenco Limited, based on information supplied by the formulators of the product and is believed to be accurate and given in good faith, but it is for the users to satisfy themselves of the suitability of the product for their own particular purpose. d5 Consulting Limited and Nettex, a division of Rumenco Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. Nettex, Rumenco Limited and d5 Consulting Limited give no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.

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